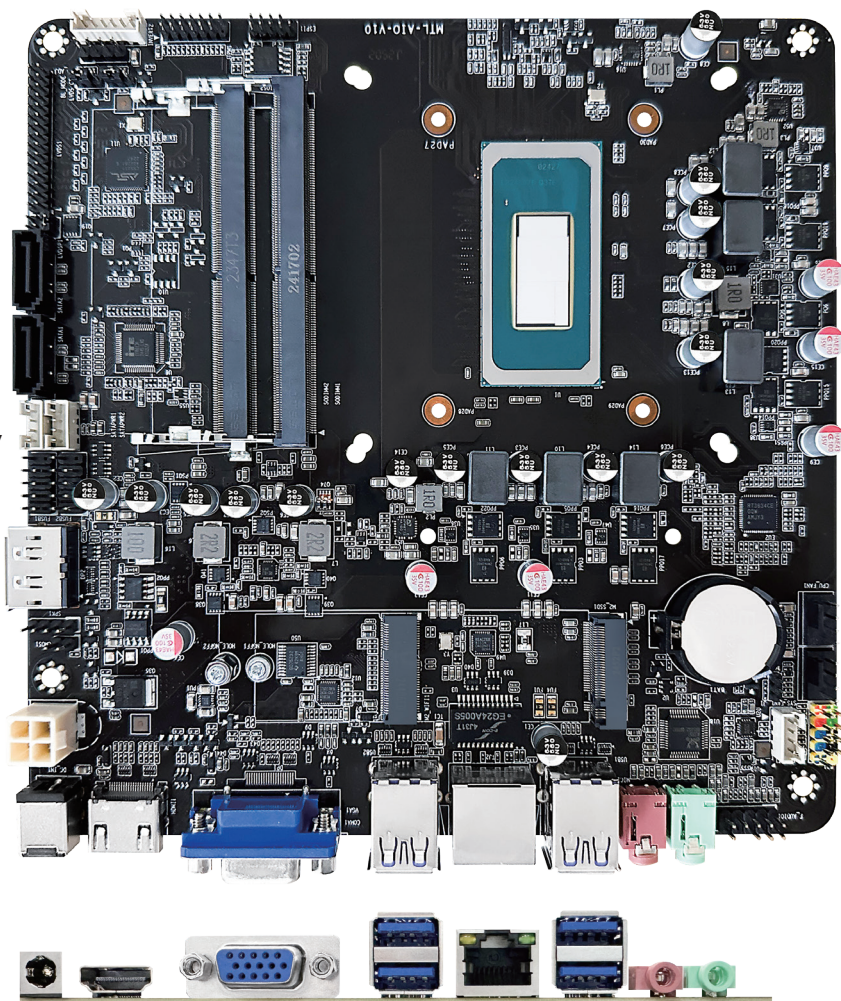


MTL_AIO_V10主板

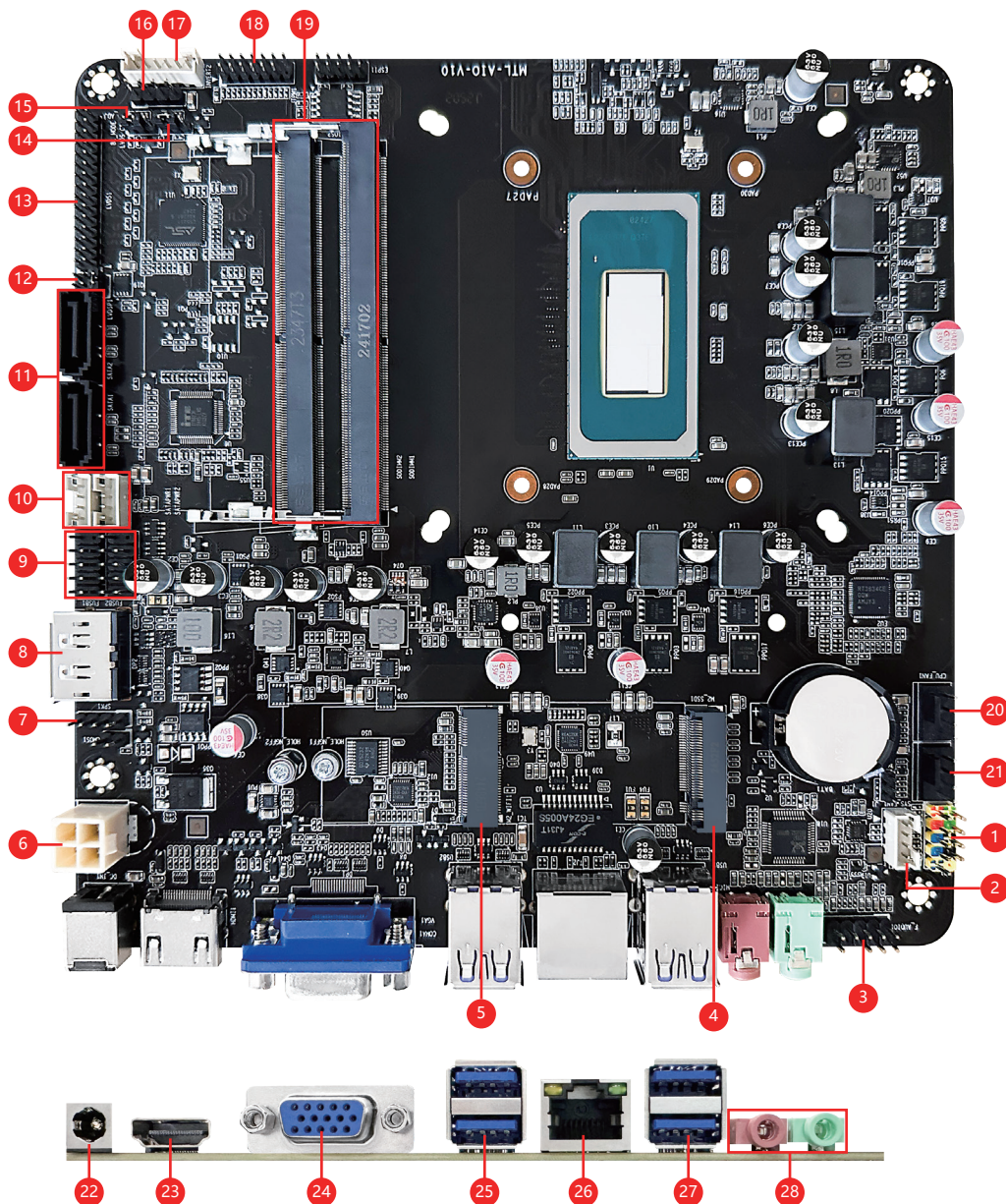
产品特性:

- 支持Intel Meteor Lake-H/U Core™ Ultra 5/ Core™ Ultra 7/Core™ Ultra 9处理器
- 支持8个USB (4*USB2.0排针/4*USB3.0接口)
- 支持1个LAN口(Realtek 8111H 1Gbps/ 100Mbps/10Mbps以太网控制器)



MTL_AIO_V10主板规格

板型尺寸	170mm*170mm
处理器	支持Intel Meteor Lake-H/U Core™ Ultra 5/Core™ Ultra 7/Core™ Ultra 9处理器
内存	支持2个DDR5内存槽 最大支持64GB
BIOS	AMIBIOS 256Mbit 闪存
内置I/O接口	1*Front panel排针 1*SPEAKT1排针 1*F_AUDIO排针 1*4Pin电源插座 1*SPK1排针 2*FUSB1-2排针(支持4个USB2.0接口) 2*JSATA供电接口(1-2) 2*SATA数据接口(1-2) 1*LVDS1跳线 1*LVDS1排针 1*LVDS_CTL跳线 1*BL_MODE跳线 1*LED_ADJ排针 1*INVERT排针 1*JTPM排针 1*CPU_FAN排针 1*SYS_FAN排针
外置I/O接口	1*DP接口 1*DC 12V-19V接口 1*HDMI接口 1*VGA接口 (可选DP/COM/VGA三选一) 4*USB3.0接口 1*LAN口 2*AUDIO接口 (1*MIC、1*LINE OUT)
集成网卡	1*Realtek 8111H 1Gbps/100Mbps/10Mbps以太网控制器
扩展槽/口	1*M.2 SSD PCIE4X 4.0 2280插槽, /1*M.2 WIFI插槽 (PCIE/CNVI)
操作系统	Windows10/11, Linux



1	Front panel排针
2	SPEAKT1排针
3	F_AUDIO排针
4	M.2 SSD1插槽
5	M.2 WIFI1插槽
6	4Pin电源插座
7	SPK1排针
8	DP接口
9	FUSB1-2排针
10	JSATA供电接口(1-2)
11	SATA数据接口(1-2)
12	LVDS1跳线
13	LVDS1排针
14	LVDS_CTL跳线
15	BL_MODE跳线
16	LED_ADJ排针
17	INVERT排针
18	JTPM排针
19	DDR5内存槽
20	SYS_FAN排针
21	CPU_FAN排针

22	DC 12V-19V接口	26	LAN口
23	HDMI接口	27	USB3.0接口
24	VGA接口 (可选DP/COM/VGA三选一)	28	AUDIO接口 (1*MIC、1*LINE OUT)
25	USB3.0接口		

MTL_AIO_V10主板定义

(1) Front panel排针

Location	Pin	Definition	Pin	Definition
FP1 (2.54mm)	1	HDD_LED+	2	POWER LED+
	3	HDD_LED-	4	POWER LED-
	5	GND	6	Power Switch
	7	Reset Switch	8	GND
	9	NC		

(2) SPEAKT1排针

Location	Pin	Definition
SPEAKT	1	SPKOUT_L-
	2	SPKOUT_L+
	3	SPKOUT_R-
	4	SPKOUT_R+

(3) F_AUDIO排针

Location	Pin	Definition	Pin	Definition
AUDIO (2.54mm)	1	MIC1_L	2	GND
	3	MIC1_R	4	NC
	5	LINEOUT_R	6	MIC1_JD
	7	GND	8	
	9	LINEOUT_L	10	LINEOUT_JD

(7) SPK1排针

Location	Pin	Definition
SPK1	1	SPEAK+
	2	NC
	3	NC
	4	SPEAK-

(9) FUSB1-2排针

Location	Pin	Definition	Pin	Definition
FUSB1 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	USB_PN4	4	USB_PN5
	5	USB_PP4	6	USB_PP5
	7	GND	8	GND
	9	NC	10	GND

Location	Pin	Definition	Pin	Definition
FUSB2 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	USB_PN4	4	USB_PN5
	5	USB_PP4	6	USB_PP5
	7	GND	8	GND
	9	NC	10	GND

(12) LVDSP跳线

LVDSP	
1-2	3.3V
3-4	5V
5-6	12V

(14) LVDS_CTL跳线

Location	Pin	Definition
LVDS_CTL	1-2	打开LVDS
	2-3	关闭LVDS

(15) BL_MOED跳线

Location	Pin	Definition
BL_MOED	1-2	负调光
	2-3	正调光

(16) LED_ADJ跳线

Location	Pin	Definition
LED_ADJ	1	背光亮度+
	2	背光亮度-
	3	GND
	4	背光开关

(17) INVERT排针

Location	Pin	Definition
INVERT	1	GND
	2	GND
	3	BL_ADJ
	4	BKLT-EN
	5	+12V
	6	+12V

(18) JTPM排针

Location	Pin	Definition	Pin	Definition
JTPM (2.0mm)	1	NC	2	NC
	3	NC	4	+3.3V
	5	SPI_MISO	6	NC
	7	NC	8	SPI_CLK
	9	GND	10	SPI_MOSI
	11	SPI_CS	12	PLTRST
	13		14	GPP_E01

(18) CPU_FAN排针

Location	Pin	Definition
CPU_FAN1	1	GND
	2	+12V
	3	FAN_TAC
	4	FAN_CTL

(21) SYS_FAN排针

Location	Pin	Definition
SYS_FAN	1	GND
	2	+12V
	3	FAN_TAC22
	4	FAN_CTL22